

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of the claims in the application:

**Listing of Claims:**

1. (Currently Amended) A noise cancellation system comprising:

~~a headphone including a sound transducer and a headphone speaker;~~

~~noise cancellation circuitry remote from the headphone supplying the headphone speaker and being supplied from the sound transducer; and,~~

~~a filter to normalize the output from the sound transducer of the headphone to the noise cancellation circuitry.~~

a noise cancellation circuit having a noise cancellation input to receive a noise cancellation input signal required for effecting noise cancellation, and a noise cancellation output for providing an output signal processed to cancel noise dependent on the noise cancellation input signal, the noise cancellation circuit being operative over a predetermined phase range of noise cancellation input signal supplied to the noise cancellation input;

a plurality of headphones provided remote from the noise cancellation circuit, each headphone having a headphone speaker and a sound transducer, at least one headphone of the plurality of headphones having a different acoustic property from the other headphone(s) such that the sound transducer does not provide a noise cancellation input signal within the predetermined phase range, and the at least one headphone having a passive filter provided to filter the output of the sound transducer, and each headphone being individually electrically connectable to the noise cancellation circuit so that the output of the passive filter or the output of the sound transducer is provided to the noise cancellation input and the noise cancellation output signal is provided to the headphone speaker; and,

wherein the passive filter for the at least one headphone is configured to modify the output of the sound transducer to provide a noise cancellation input signal which is within the predetermined phase range.

2. (Original) A noise cancellation system as claimed in claim 1 wherein the filter is located at the output of the sound transducer to enable effective noise cancellation to be achieved in use.

3. (Original) A noise cancellation system filter as claimed in claim 2 wherein the filter comprises a passive electronic filter.

4. (Original) A noise cancellation system filter as claimed in claim 3 wherein the filter comprises a resistor/capacitor network.

5. (Currently Amended) A noise cancellation system filter as claimed in claim [[4]] 1 wherein the filter is a high pass filter in parallel with the sound transducer.

6. (Original) A noise cancellation system as claimed in claim 1 wherein the sound transducer comprises an electret condenser microphone.

Claims 7 and 8 (Canceled)

Please add new claims 9-11 as follows:

9. (New) The noise cancellation system as claimed in claim 1 wherein the noise cancellation circuit comprises a microprocessor.

10. (New) A method of allowing a plurality of headphones having different acoustic properties to provide noise cancellation with a noise cancellation circuit operable over a predetermined phase range of noise cancellation input signals, the method including the step of: providing at least one of the headphones with a passive filter configured to modify the output of a sound transducer associated with the at least one headphone so that the filter provides

a noise cancellation input signal for the noise cancellation circuit which is within the predetermined phase range.

11. (New) The method as claimed in claim 10, wherein the method further comprises the step of selecting the predetermined phase range dependent on the acoustic properties of a selected headphone.